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ORINOCO™ Mobility
by



Lucent Technologies

hp USB Wireless LAN

P1980A

installation guide
installationshandbuch
guide d'installation
guía de instalación

léase este primero

guida di installazione



i n v e n t

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Chapter 1 - Introduction

This chapter introduces your HP USB Wireless LAN device.

Welcome

Congratulations on purchasing an HP USB Wireless LAN device.

When used with a HP Wireless LAN Access Point, the HP USB Wireless LAN allows you to connect your computer to a wireless Local Area Network (LAN) system from anywhere within the wireless coverage area.

The HP USB Wireless LAN Kit allows you to:

- Connect your computer to a Peer-to-Peer workgroup of wireless computing devices
- Connect your computer to a small office network that includes an HP Wireless LAN Access Point
- Connect your computer to a LAN that includes other IEEE 802.11 compliant LAN systems
- Expand the capabilities of your HP Wireless LAN Access Point, to support wireless devices that have been equipped with HP Wireless USB LAN devices.

Supported Operating Systems

The HP USB Wireless LAN is supported by the following operating systems:

- Windows 98
- Windows 2000

Support Information

You can find extra documentation for the HP wireless product range on the software CD-ROM supplied with your USB Wireless LAN.

For the latest information on the HP wireless range, access the HP accessories web site at: **www.hp.com/go/pcaccessories**

Kit Contents

Your HP USB Wireless LAN kit includes the following items:

- 1 HP USB Wireless LAN
- 1 USB cable
- 1 *Installation Guide*
- 1 *Software CD-ROM*

Network Scenarios

Peer-to-Peer Workgroup

The Peer-to-Peer workgroup configuration enables you to quickly set up a small wireless workgroup, where the workgroup participants can exchange files using features like “Files and Printer Sharing” as supported by Microsoft Networking. You can use this option to set up a temporary network in environments where no access points are available. As long as the stations are within range of each other, this is the easiest and least expensive way to set up a wireless network.

Enterprise Networking

With the Wireless LAN Access Point, you can connect to a LAN to have wireless access to all network facilities.

LAN infrastructures may either be:

- Stand-alone wireless LANs
- Wireless network infrastructures connected to an existing Ethernet network.

Hardware Installation

CAUTION

It is recommended that you install your Wireless LAN Access Point before attempting to install your USB Wireless LAN.

To connect the device:

- 1 Place the USB Wireless LAN device in a position where it can easily receive signals from either an Access Point or another USB Wireless LAN device.
- 2 Insert the connector on the cable of your USB Wireless LAN device into a free USB port on your PC.

NOTE

The Wireless LAN Access Point is unable to transmit signals through metallic walls. It is important, therefore, to place the USB Wireless LAN device in a position where it is visible to the HP Wireless Access Point. For an exact description of the capabilities, see the Technical Specifications at the back of this manual.

Chapter 2 - Software Installation

This chapter shows you how to install the USB Wireless LAN drivers and software.

About the Software CD-ROM

The software CD-ROM contains both software and documentation for the USB Wireless LAN.

The CD-ROM contains:

- User's Guides and other reference materials are located in **D:\Docs** (where **D:** is your CD-ROM drive).
- Software for HP client stations and/or infrastructure products are located in **D:\Software** (where **D:** is your CD-ROM drive).

NOTE

Before installing the software, you are advised to read the Software License Agreement, located in the root directory of the CD-ROM. By installing, copying or using the software, you are consenting to be bound by this agreement. If you do not agree to all of the terms of the agreement, do not download, copy or install the software.

The CD-ROM also contains a directory named **xtras**. This folder contains additional tools that may help you install and manage your wireless network.

Overview of the Software Installation Process

The complete installation of your USB Wireless LAN software and the necessary drivers consists of the following steps:

- 1 Installing the drivers.
- 2 Setting basic parameters.
- 3 Installing the Client Manager software.
- 4 Verifying the installation.

Installing the Drivers

Installing a USB Wireless LAN requires the same level of expertise that you would need to install a standard Ethernet network adapter card. It is assumed that you have a working knowledge of standard Windows operations. Refer to the Windows Help files when necessary.

Driver Installation for Windows 98 and Windows 2000

Windows 98 and Windows 2000 operating systems support “Plug & Play” products. Once you insert the USB Wireless LAN into your computer, these systems will automatically:

- Detect the USB Wireless LAN device and enable the driver, or
- Start the Add New Hardware wizard and prompt you to install the driver, when the operating system cannot find the required driver.

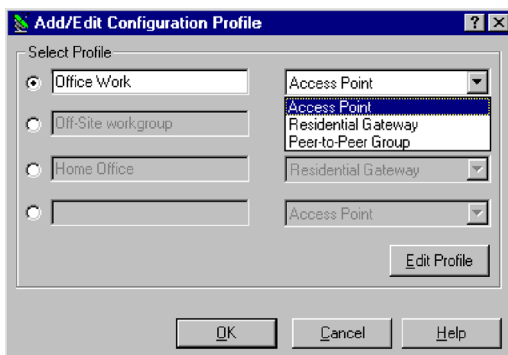
To install the driver:

When Windows starts the Add New Hardware wizard, follow the instructions of the New Hardware Found wizard to install the drivers. When you are prompted to locate the driver installation files select the software CD-ROM that was included with your USB Wireless LAN.

When finished installing the drivers, Windows automatically opens the Add/Edit Configuration Profile window.

Setting the Basic Parameters

After installing the drivers, Windows will open the Add/Edit Configuration Profile window. The Add/Edit Configuration Profile window enables you to specify one or more network connection profiles.



To connect your computer to a wireless network, you will need to:

- 1 Assign a name to the network connection profile.
- 2 Use the pull-down menu on the right to select how you want to connect to the wireless network.
- 3 Click the Edit Profile button to view or modify the parameters for the selected profile.

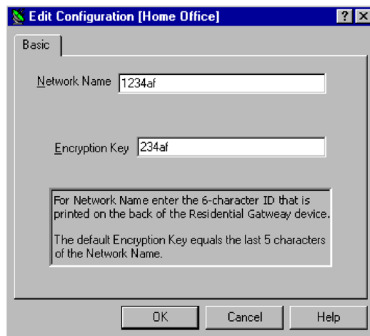
NOTE

For first-time installations, you are advised to set up the single profile using only the basic settings.

Basic Settings for an Residential Gateway

If you want to connect to a home network using an Access Point, use the Add/Edit Configuration Profile window to:

- Connect to an Access Point
- Set the Network Name and Encryption Key.



To connect to a Wireless LAN Access Point:

- 1 In the Network Name field, enter the 6-character ID code to define the name of the wireless network that you want to connect to.

NOTE

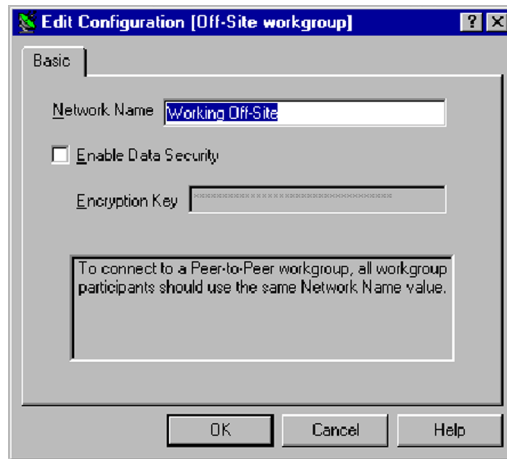
The 6-character ID code is unique and can be found on the back of the Wireless LAN Access Point by removing the rear cover. Refer to the *Wireless LAN Access Point Installation Guide* for full instruction on obtaining the ID code.

- 2 In the Encryption Key field, enter the last 5 digits of the ID code. If you have changed the Encryption Key on the Access Point, you must enter the new value as well.
- 3 Click OK to confirm and return to the Add/Edit Configuration Profile window.
- 4 Click OK again to proceed with the installation.

Basic Settings for Peer-to-Peer Workgroups

If you want to connect to a Peer-to-Peer workgroup, use the Add/Edit Configuration Profile window to:

- Connect to a Peer-to-Peer workgroup
- Set the Network Name and Encryption Key.



To complete the basic settings for a Peer-to-Peer workgroup:

- 1 In the Network Name field, enter the name of the wireless network that you want to connect to.

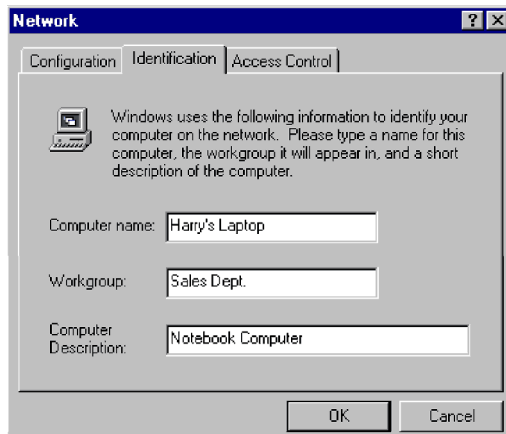
NOTE

The Network Name can be any alphanumeric string in the range of “a” to “z”, “A” to “Z” or “0” to “9” with a maximum of 32 case-sensitive characters.

- If there is a Peer-to-Peer workgroup with the name already available, your computer will automatically connect to the workgroup, or
 - If there is no such group, your computer will automatically create one with the new name.
- 2 Click OK to confirm and return to the Add/Edit Configuration Profile window.
 - 3 Click OK to proceed with the installation.

Windows Network Properties

If this is the first time that Networking support is installed onto your computer, the Windows operating system will prompt you to enter a computer and workgroup name. These names will be used to identify your computer in the Microsoft Network Neighborhood.



To set the network properties:

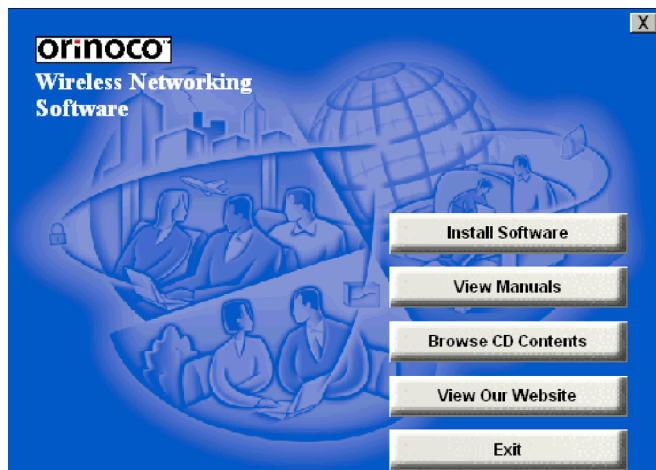
- 1 Wait for the Network window to appear (this will happen automatically).
 - 2 In the Computer Name field, enter a unique name for your computer.
 - 3 In the Workgroup field, enter the name of your workgroup.
- Provide a description of the computer in the Computer Description field.

Installing the Client Manager Software

The Client Manager program is a software tool that you can use to check the quality of your network connection.

To install the Client Manager software:

- 1 Insert the software CD-ROM that came with your USB Wireless LAN device into your CD-ROM drive. Your operating system will automatically start the CD and display the Wireless Networking Software menu.



- 2 Select Install Software.
- 3 Select Install Client Manager.
- 4 Follow the on-screen instructions.

Verifying the Installation

To verify if the installation of the drivers and software was completed successfully:

- Check if the USB Wireless LAN icon is visible in the Windows task bar
- Check the LEDs on your USB Wireless LAN. A steady green LED indicates that the device is active. A flashing green LED indicates wireless activity.

Chapter 3 - Using your USB Wireless LAN

This chapter demonstrates how to use the USB Wireless LAN device.

Using the Client Manager Software

If you installed the Client manager software, you can use the Client Manager to:

- Verify the quality of your wireless connection to the network
- View and modify the configuration settings of your USB Wireless LAN.

The Client Manager will start automatically every time you power up your computer. The Client Manager icon will be displayed in the “System Tray” of your Windows task bar at the bottom-right of your screen to indicate that the software is running.

The Client Manager icon can be used to actively monitor your wireless network. Click the icon with the left mouse button to obtain a detailed status overview or the right mouse button to access more options. The Client Manager icon also gives a visual representation of the quality of your network connection.

Viewing and Modifying USB Wireless LAN Settings

To view or modify USB Wireless LAN parameters:

- 1 Right-click on the Client Manager icon on the Windows taskbar
- 2 From the menu, select Configuration Profile and then:
 - Select Add/Edit Profile to add a new profile or to modify an existing profile, or
 - Select an existing profile to select a profile without viewing or modifying the settings

After you have selected another profile, the USB Wireless LAN will use the selected profile to connect to the wireless network.

Chapter 4 - Troubleshooting

This chapter demonstrates how to solve any problems with your USB Wireless LAN device.

HP Support

You can get help solving problems with HP accessories from the following HP support Web sites:

www.hp.com/go/briosupport

www.hp.com/go/vectrasupport

www.hp.com/go/kayaksupport

www.hp.com/go/e-pcsupport

LED Activity

The starting point for troubleshooting problems with your USB Wireless LAN is looking at the LED activity of the USB Wireless LAN.

Power LED	Transmit Receive LED	Description/Action
Continuous Green	Blinking	Standard operational mode: <ul style="list-style-type: none">- USB Wireless LAN is powered on- Sensing/transmitting wireless data
	Off	<ul style="list-style-type: none">- USB Wireless LAN is powered on- NO wireless activity No action is required
Flicker	Flicker	Power Management mode: <ul style="list-style-type: none">- USB Wireless LAN is powered on, but set to power saving mode to conserve energy- Flashes indicate that the USB Wireless LAN wakes up at regular intervals to verify if there is wireless data addressed to your computer
Both LEDs blink once every 10 seconds		The USB Wireless LAN works, but has not yet succeeded in establishing a wireless connection with the wireless infrastructure. Action: <ul style="list-style-type: none">- Contact the LAN Administrator to verify the Network Name assigned to the wireless infrastructure- Contact the LAN Administrator to verify the correct value(s) of the encryption keys- Contact the LAN Administrator to verify whether the network infrastructure has been closed- Change the configuration of your USB Wireless LAN to enter the correct Network Name- If there are no Access Point devices available, change the configuration your USB Wireless LAN to Peer-to-Peer mode.

Power LED	Transmit Receive LED	Description/Action
Off	Off	USB Wireless LAN is not powered on. The cause may be: <ul style="list-style-type: none">- No driver installed- Wrong driver installed- Device conflict which prevented the driver from loading Actions: <ul style="list-style-type: none">- Verify if a driver has been installed, if not install the driver- Verify the device settings of the USB Wireless LAN to determine the occurrence of a conflict with another device. If so, change the settings of either your USB Wireless LAN or the conflicting device to resolve the problem- Verify the versions of the driver, and the embedded software in the USB Wireless LAN

Support Part Numbers

Product	Support Part Number	Description
P1980A: USB Wireless LAN	P1980-63001	USB Wireless LAN

Chapter 5 - Technical Information

Technical Specifications

Form Factor	USB Type-II Extended
Dimensions (LxWxH)	63 x 89 x 145
Weight	170 g
Operating Temperature	0 to +40° C
Storage Temperature	-10 to +75° C
Transit Temperature	-20 to +70° C
Humidity	max. 95% (no condensation allowed)
Compatibility	- IEEE 802.11 Standard for wireless LANS (DSSSS) - Wi-Fi (Wireless Fidelity) certified by the Wireless Ethernet Compatibility Alliance (WECA)
Network Operating System	- Novell® Client 3.x & 4.x - Microsoft® Windows Networking
Host Operating System	Microsoft Windows® 98 & 2000: NDIS5 Miniport driver
Media Access Protocol	CSMA/CA (Collision Avoidance) with Acknowledge (ACK)
Data Rate	- High: 11Mb/s - Medium: 5.5Mb/s - Standard: 2Mb/s - Low: 1Mb/s

Power Characteristics

Doze Mode	10 mA
Receive Mode	245 mA
Transmit Mode	360 mA
Power Supply	5 V

Radio Characteristics

Radio characteristics may vary according to the country in which the USB Wireless LAN is purchased.

Wireless communication is often subject to local radio regulations. Although HP Wireless LAN products have been designed for operation in the license-free 4.4 Ghz band, local radio regulations may impose a number of limitations to the use of wireless communication equipment.

NOTE

Refer to the *Information for the User* flyer for any regulatory information that may apply to your country.

To comply with such regulations, HP USB Wireless LANs are marketed with dedicated channel-sets with a number of factory-programmed channels identified by following acronyms:

- ETS for countries that adhere to the regulations as defined by the European Telecommunications Standards Institute (ETSI)
- FCC for countries that adhere to the regulations as defined by the US Federal Communications Commission (FCC)
- FR for France
- JP for Japan.

The acronym of the channel-set supported by your card is printed on a label on the bottom of your USB Wireless LAN.

If you plan to install and use USB Wireless LANs to connect to an Access Point or other computing device to antenna installation, additional regulations may apply.

Radio Specifications

R-F Frequency Band	2.4 Ghz (2400-2500 Mhz)			
Number of selectable sub-channels	North America (FCC)	11		
	Europe (ETS)	13		
	France (FR)	4		
	Japan (JP)	1		
	Other countries	FCC 11, ETS 13		
Modulation Technique	Direct Sequence Spread Spectrum - CCK for high and medium Transmit Rate - DQPSK for standard Transmit Rate - DBPSK for low Transmit Rate			
Spreading	11-chip Barker Sequence			
Bit Rate Error Rate (BER)	Better than 10 ⁻⁵			
Nominal Output Power	15dBm			
Range (110 bytes User Data/Transmit Rate)	High Speed 11Mb/s	Medium Speed 5.5Mb/s	Standard Speed 2Mb/s	Low Speed 1Mb/s
Open office environment	160 m (525 ft.)	270 m (885 ft.)	400 (1300 ft.)	550 m (1750 ft.)
Semi-open office environment	50m (165 ft.)	70 m (230 ft.)	90 m (300 ft.)	115 (375 ft.)
Closed office	25 m (80 ft.)	35 m (115 ft.)	40 m (130 ft.)	50 m (165 ft.)
Receiver Sensitivity	-83 dBm	-87 dBm	- 91 dBm	-94 dBm
Delay Spread (at FER of > 1%)	65 ns	225 ns	400 ns	500 ns

The range of the wireless signal is related to the Transmit Rate of the wireless communication. Communication at lower Transmit range may travel distances.

The range values listed in the table above are typical distances as measured at the HP laboratories. These values may provide a rule of thumb and may vary according to the actual radio conditions at the location where the USB Wireless LAN is installed.

Supported Frequency Sub-bands

Frequency Range	2400-2500 MHz			
Channel ID	FCC	ETSI	France	Japan
1	2412	2415	-	2412
2	2417	2417	-	2417
3	2422	2422	-	2422
4	2427	2427	-	2427
5	2432	2432	-	2432
6	2437	2437	-	2437
7	2442	2442	-	2442
8	2447	2447	-	2447
9	2452	2452	-	2452
10	2457	2457	2457	2457
11	2462	2462	2462	2462

Numbers in bold, indicate default settings.

When installing USB Wireless LANs, the channel configuration is managed as follows:

- For wireless clients that operate in a wireless infrastructure, the USB Wireless LAN will automatically start operation at the channel identified by the Access Point. When roaming between different Access Points the station can dynamically switch to another channel if required
- For USB Wireless Lans installed into wireless clients that operate in a Peer-to-Peer workgroup, the device will use channel 10.

Chapter 2 - Regulatory Information

Part 15 FCC Compliance Statement

This device complies with Part 15 of FCC rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Operation environment

For Home and Office use

Notice

This equipment has been tested and found to comply with the limits of Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation, if this equipment does cause harmful interference radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution

To comply with the limits for class B digital device according to Part 15 of FCC Rules, this device must be installed in computer equipment certified to comply with the Class B limits. All cables used to connect the computers and peripherals must be shielded and grounded. Operation with non-certified/Shielded cables may result in radio/TV interference.

Modification

Any modification not expressly approved by the manufacturer of this device could void the user's authority to operate the device.

PART 68 FCC Compliance Statement

This equipment complies with Part 68 of the FCC Rules. A label is attached to this equipment that contains, among other information, the FCC registration number and ringer equivalence number (REN) for this equipment. If requested, this information must be provided to the telephone company.

An FCC compliant telephone cord and modular plug is provided with this equipment.

This equipment is designed to be connected to the telephone network or premises wiring using a compatible modular jack which is FCC part 68 compliant. Connection to the telephone network should be made by using standard modular telephone jack type RJ11.

The REN is useful to determine the quantity of devices that may be connected to the telephone line and still have all of those devices ring when your telephone number is called. In most, but not all areas, the sum of the RENs should not exceed five (5.0).

To be certain of the number of devices that may be connected to the line, as deter-

mined by the total RENs, contact the telephone company to determine the maximum REN for the calling area.

If this equipment causes harm to the telephone network, the telephone company may discontinue your service temporarily. If advance notice is not practical, the telephone company will notify the customer as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary.

The telephone company may make changes in its facilities, equipment, operations, or procedures that could affect the operation of the equipment. If this happens, the telephone company will provide advance notice in order for you to make the necessary modifications in order to maintain uninterrupted service.

In the event this equipment should fail to operate properly, disconnect the unit from the telephone line. Try using another FCC approved telephone in the same telephone jack. If the trouble persists, call the telephone company repair service bureau. If the trouble does not persist and appears to be with this unit, disconnect the unit from the telephone line and discontinue use of the unit until it is repaired. Please note that the telephone company may ask that you disconnect the equipment from the telephone network until the problem has been corrected or until you are sure that the equipment is not malfunctioning.

The user must use the accessories and cables supplied by the manufacturer to get optimum performance from the product.

No repairs may be done by the customer.

If trouble is experienced with this equipment, please contact your authorized support provider for repair and warranty information. If the trouble is causing harm to the telephone network, the telephone company may request you remove the equipment from the network until the problem is resolved.

This equipment cannot be used on telephone company provided coin service.

Connection to Party Line Service is subject to state tariffs.

When programming and/or making test calls to emergency numbers:

- Remain on the line and briefly explain to the dispatcher the reason for the call.
- Perform such activities in the off-peak hours such as early morning or late evenings.

The Telephone Consumer Protection Act of 1991 makes it unlawful for any person to use a computer or other electronic device to send any message via a telephone facsimile machine unless such message clearly contains, in a margin at the top or bottom of each transmitted page or on the first page of the transmission, the date and time it is sent and an identification of the business, other entity, or individual sending the message and the telephone number of the sending machine of such business, other entity, or individual.

In order to program this information into your facsimile, refer to your communications software user manual.

Industry Canada Information

The Industry of Canada label identifies certified equipment. This certification means that the equipment meets the telecommunications network prospective, operational and safety requirements as described in the appropriate Terminal Equipment Technical Requirements document(s). The department does not guarantee the equipment will operate to the user's satisfaction.

Before installing this equipment, make sure you are permitted to connect it to the facilities of the local Telecommunications Company. You must install the equipment using an acceptable method of connection. In some cases you may also extend the company's inside wiring for single line individual service by means of certified connector assembly (telephone extension cord). You should be aware, however, that

compliance with the above conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be made by an authorized Canadian maintenance facility designed by the supplier. Any repairs or alterations made by a user to this equipment or equipment malfunctions, may give the telephone communications company cause to request the user to disconnect the equipment. For your own protection, make sure that the electrical ground connections of the power utility, telephone lines and internal metallic water pipes systems, if present, are connected together. This precaution may be particularly important in rural areas. Caution: Do not attempt to make electrical ground connections yourself, contact the appropriate electric inspection authority or an electrician.

To prevent radio interference to the licensed service, this device is intended to be operated indoors and away from windows to provide maximum shielding. Equipment that is installed outdoors is subject licensing.

Notice: The Ringer Equivalence Number (REN) assigned to each terminal device provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers of all devices does not exceed 5.

EMC Notice: This class A/B digital apparatus complies with Canadian ICES-003

PAN European Regulatory Note

The equipment has been approved under RTTE-Directive. For such product, the following statement is required:

"This equipment has been designed to work with main European countries. Network compatibility is dependent on internal software settings. Contact your vendor if it is necessary to use the equipment on a different telephone network or for further product support contact your support provider on the phone numbers provided in the support warranty documentation provided with the PC.

This equipment has been approved in accordance with Council Decision 98/482/EC for Pan European single terminal connection to the Public Switched Telephone Network (PSTN). However, due to differences between individual PSTNs provided in different countries the approval does not, of itself, give an unconditional assurance of successful operation on every PSTN network termination point.

In the event of problems, you should contact your equipment supplier in the first instance.

"Dieses Geraet wurde gemaess der Entscheidung 98/482/EG des Rates europaweit zur Anschaltung als einzelne Endeinrichtung an das oeffentliche Fernsprechnetzzugelassen. Aufgrund der zwischen den oeffentlichen Fernsprechnetzen verschiedener Staaten bestehenden Unterschiede Stellt diese Zulassung an sich jedoch keine unbedingte Gewaehr fuer einen erfolgreichen Betrieb des Geraets an jedem Netzabschlusspunkt dar.

Falls beim Betrieb Probleme auftreten, sollten Sie sich zunaechst an ihren Fachhaendler wenden."

"Cet équipement a reçu l'agrément, conformément à la décision 98/482/CE du Conseil, concernant la connexion paneuropéenne de terminal unique aux Réseaux Téléphoniques Publics Commutés (RTPC). Toutefois, comme il existe des différences d'un pays à l'autre entre les RTPC, l'agrément en soi ne constitue pas une garantie absolue de fonctionnement optimal à chaque point de terminaison du réseau RTPC. En cas de problème, vous devez contacter en premier lieu votre fournisseur."

"La presente apparecchiatura terminale è stata approvata in conformità della decisione 98/482/CE del Consiglio per la connessione panauropea come terminale singolo ad una rete analogica PSTN. A causa delle differenze tra le reti dei differenti paesi, l'approvazione non garantisce però di per sé il funzionamento corretto in tutti i punti di terminazione di rete PSTN.

In caso di problemi contattare in primo luogo il fornitore del prodotto."

"Este equipo ha sido homologado de conformidad con la Decisión 98/482/CE del Consejo para la conexión panauropea de un terminal simple a la red telefónica pública conmutada (RTPC). No obstante, a la vista de las diferencias que existen entre las RTPC que se ofrecen en diferentes países, la homologación no constituye por sí sola una garantía in condicional de funcionamiento satisfactorio en todos los puntos de terminación de la red de una RTPC.

En caso de surgir algún problema, procede ponerse en contacto en primer lugar el proveedor de equipo."

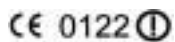
"Dit apparaat is goedgekeurd volgens Beschikking 98/482/EG van de Raad voor de pan-europese aansluiting van enkelvoudige eindapparatuur op het openbare geschakelde telefoonnetwerk (PSTN). Gezien de verschillen tussen de individuele PSTN's in de verschillende landen, biedt deze goedkeuring op zichzelf geen onvoorwaardelijke garantie voor een succesvolle werking op elk PSTN-netwerkaansluit-

punt.

Neem bij problemen in eerste instantie contact op met de leverancier van het apparaat."

Network Compatibility Declaration

This product is designed to interwork with the Public Switched Telecommunication Networks in UK, Ireland, Netherlands, Sweden, Denmark, Finland, Switzerland, Luxembourg, Belgium, France, Germany, Spain, Portugal, Iceland, Greece, Italy, Norway and Austria.



Notice for Japan

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取り扱い説明書に従って正しい取り扱いをして下さい。

NEW ZEALAND TELECOM WARNINGS

General

“The grant of a Telepermit for any item of terminal equipment indicates only that Telecom has accepted that the item complies with minimum conditions for connection to its network. It indicates no endorsement of the product by Telecom, nor does it provide any sort of warranty. Above all, it provides no assurance that any item will work correctly in all respects with another item of Telepermitted equipment of a different make or model, nor does it imply that any product is compatible with all of Telecom’s network services.”

“This equipment does not fully meet Telecom’s impedance requirements. Performance limitations may occur when used in conjunction with some parts of the network. Telecom will accept no responsibility should difficulties arise in such circumstances.”

“This equipment shall not be set up to make automatic calls to the Telecom ‘111’ Emergency Service.”

“If a charge for local calls is unacceptable, the ‘Dial’ button should NOT be used for local calls. Only the 7-digits of the local number should be dialled from your telephone. DO NOT dial the area code digit or the ‘0’ prefix.”

“This equipment may not provide for the effective hand-over of a call to another device connected to the same line.”

Important Notice

“Under power failure conditions, this telephone may not operate. Please ensure that a separate telephone, not dependent on local power, is available for emergency use.”

“Some parameters required for compliance with Telecom’s Telepermit requirements are dependent on the equipment (PC) associated with this device. The associated equipment shall be set to operate within the following limits for compliance with Telecom’s Specification:-

1

- a There shall be no more than 10 call attempts to the same number within any 30 minute period for any single manual call initiation, and
 - b The equipment shall go on-hook for a period of not less than 30 seconds between the end of one attempt and the beginning of the next attempt.
- 2 Where automatic calls are made to different numbers, the equipment shall go on-line for a period of not less than 5 seconds between the end of one attempt and the beginning of the next attempt.
 - 3 The equipment shall be set to ensure that calls are answered between 3 and 30 seconds of receipt of ringing.”

“All persons using this device for recording telephone conversations shall comply with the New Zealand law. This requires that at least one party to the conversation is to be aware that it is being recorded. In addition, the Principles enumerated in the Privacy Act 1993 shall be complied with in respect to the nature of the personal information collected, the purpose for its collection, how it is used and what is disclosed to any other party.”

Radio Information

Country	Part Number	Type	Approval Number	Reference
Australia	PC24E-H-FC	Worldcard		
Austria	PC24E-H-FC	Worldcard	CE NB0122 Alert: 1020870ZB/00	R&TTE Directive 1999/5/EC
	PC24E-H-ET-L	ETSI	R0167 SRD3a	
	PC24E-H-ET			
Belgium	PC24E-H-FC	Worldcard	CE NB0122 Alert	R&TTE Directive 1999/5/EC
	PC24E-H-ET-L	ETSI	RTT/RLX 113	
	PC24E-H-ET			
Canada	PC24E-H-FC	Worldcard	Canada 230 391 152A	Cert. No. 10559
China	PC24E-H-ET	ETSI	CMII ID: 2000AJ0152	
Czech Republic	PC24E-H-ET-L	ETSI	45314454	
	PC24E-H-ET			
Denmark	PC24E-H-FC	Worldcard	CE NB0122 Alert	R&TTE Directive 1999/5/EC
	PC24E-H-ET-L	ETSI	R0167 SRD3a	
	PC24E-H-ET			
Estonia	PC24E-H-ET-L	ETSI	M9599048	
	PC24E-H-ET			
Finland	PC24E-H-FC	Worldcard	CE NB0122 Alert	R&TTE Directive 1999/5/EC
	PC24E-H-ET-L	ETSI	R0167 SRD3a	
	PC24E-H-ET			
France	PC34E-H-FR-L	France	99 0394 PP 0	Dossier 97289 RD
	PC24E-H-FR		99 0393 PP 0	Dossier 97290 RD
Germany	PC24E-H-FC	Worldcard	CE NB0122 Alert (67084-01/17.05.2000)	R&TTE Directive 1999/5/EC
	PC24E-H-ET-L	ETSI	D810070L	Cetecom ICT
	PC24E-H-ET		D810069L	Cetecom ICT
Hong Kong	PC24E-H-FC	Worldcard	LP400096	
	PC24E-H-ET	ETSI	LP400095	
Hungary	PC24E-H-ET-L	ETSI	LA-005-0-2000/00	
	PC24E-H-ET		LA-004-0-2000/00	
Iceland	PC34E-H-ET-L	ETSI	R0167 SRD3a	
	PC24E-H-ET			
Ireland	PC24E-H-FC	Worldcard	CE NB0122 Alert	R&TTE Directive 1999/5/EC
	PC24E-H-ET-L	ETSI	TRA 24/5/84/6	
	PC24E-H-ET			
Italy	PC24E-H-ET-L	ETSI	CEPT-RLAN I DGPGF/4/2/144-03/340367/96	
	PC24E-H-ET		CEPT-RLAN I DGPGF/4/2/144-03/340327/774	
Japan	PC24E-H-FC	Worldcard	NYCA0010	
	PC24E-H-JP	Japan only	NYAA0008/GZCA0007	
	PC24E-H-ET-L	ETSI	NYCA00024	
Korea	PC24E-H-FC	Worldcard	LARN 990120	
Lithuania	PC24E-H-ET-L	ETSI	14E911	Nr. 0225
	PC24E-H-ET			
Luxembourg	PC24E-H-FC	Worldcard	CE NB0122 Alert	
	PC24E-H-ET-L	ETSI	L 2490/20585-01J	
	PC34E-H-ET		L 2490/10584-01J	
Netherlands	PC24E-H-FC	Worldcard	CE NB0122 Alert No 67	R&TTE Directive 1999/5/EC
	PC34E-H-ET-L	ETSI	R0167 SRD3a; NL99061474	HDTF/RDR/485997
	PC24E-H-ET			
New Zealand	PC24E-H-FC	Worldcard	RFS	
	PC24E-H-ET-L	ETSI	RFS	
	PC34E-H-ET			
Norway	PC24E-H-ET-L	ETSI	R0167 SRD3a	
	PC24E-H-ET			
Portugal	PC24E-H-FC	Worldcard	CE NB0122 Alert	R&TTE Directive 1999/5/EC
Singapore	PC24E-H-ET	ETSI	PMREQ-WLAN-B-0934-99	
South Africa	PC24E-H-ET-L	ETSI		
	PC24E-H-ET			

Hardware Warranty

This HP accessory is covered by a limited hardware warranty for a period of one year from the date of purchase by the original end-user. The type of service provided is return to an HP or repair-authorized reseller service-center.

At Hewlett-Packard's discretion, a defective accessory will be repaired or replaced by a new unit, either of the same type or of an equivalent model.

If this accessory is purchased and used together with an HP Brio, HP e-pc, HP Vectra personal computer or an HP Kayak PC Workstation, it will be covered by the warranty of this computer or workstation, under the same conditions of service and duration.

Please, refer to the warranty statement provided with your HP personal computer or PC workstation for warranty limitations, customer responsibilities and other terms and conditions.

FOR CONSUMER TRANSACTIONS IN AUSTRALIA AND NEW ZEALAND: THE WARRANTY TERMS CONTAINED IN THIS STATEMENT, EXCEPT TO THE EXTENT LAWFULLY PERMITTED, DO NOT EXCLUDE, RESTRICT OR MODIFY AND ARE IN ADDITION TO THE MANDATORY STATUTORY RIGHTS APPLICABLE TO THE SALE OF THIS PRODUCT TO YOU.

HP Software Warranty

THIS WARRANTY STATEMENT TAKES PRECEDENCE OVER ANY OTHER SOFTWARE WARRANTY STATEMENT INCLUDED WITH THIS PRODUCT

Ninety-Day Limited Software Warranty

HP warrants for a period of NINETY (90) DAYS from the date of the purchase that the software product will execute its programming instructions when all files are properly installed. HP does not warrant that the software will be uninterrupted or error free. HP does not warrant to the performance of usefulness of any software provided with your computer product. Unless otherwise expressly provided by HP, it is your own responsibility to obtain the latest version of any software and support directly from the software owner or authorized distributor. In the event that this software product fails to execute its programming instructions during the warranty period, Customer's remedy shall be a refund or repair. Should HP be unable to replace the media within a reasonable amount of time, Customer's alternate remedy shall be a refund of the purchase price upon return of the product and all copies

Removable Media (If supplied)

HP warrants the removable media, if supplied, upon which this product is recorded to be free from defects in materials and workmanship under normal use for a period of NINETY (90) DAYS from the date of purchase. In the event the media proves to be defective during the warranty period, Customer's remedy shall be to return the media to HP for replacement. Should HP be unable to replace the media within a reasonable amount of time, Customer's alternate remedy shall be a refund of the purchase price upon return of the product and destruction of all other nonremovable media copies of the software product.

Notice of Warranty Claims

Customer must notify HP in writing of any warranty claim not later than thirty (30) days after the expiration of the warranty period.

The above warranty shall not apply to defects resulting from: misuse; unauthorized modification; operation or storage outside the environmental specifications for the product; in-transit damage; improper maintenance; or defects resulting from use of non-HP software, accessories, media, supplies, consumables, or such items not designed for use with the product.

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(9 Nov 1998)

DECLARATION OF CONFORMITY

According to ISO/IEC Guide 22 and CEN/CENELEC EN 45014

Manufacturer's name:
Manufacturer's address:

HEWLETT-PACKARD France
5 Avenue Raymond Chanas-Eybens
38053 GRENOBLE Cedex 09 - FRANCE

Declares that the product(s):

Product Name HP 802.11b USB Wireless LAN

(if applicable, add: **Product Options**)

Model Number(s) P1980A

Conform(s) to the following Product Specifications:

SAFETY

- International: IEC 60950:1991 +A1 +A2 +A3 +A4 / GB4943-1995
- Europe: EN 60950:1992 +A1 +A2 +A3 +A4 + A11

ELECTROMAGNETIC COMPATABILITY

- CISPR 22:1993+A1+A2/ EN 55022:1994+A1+A2 Class B
- CISPR24: 1997 / EN55024 :1998
- IEC 61000-3-3:1994 / EN 61000-3-3:1995
- FCC Title 47 CFR, Part 15 Class B
- ICES-003, Issue 3
- VCCI-B
- AS/NZ 3548:1995

RADIO:

- Used radio frequency is harmonized in the EU/EEA countries (refer to Radio Information table in the Installation Guide)

Products bearing the CE marking (2) also comply with:

- IEC 61000-3-2:1995 / EN 61000-3-2:1995.

Those products comply with the requirements of the following Directives and carry the CE-marking accordingly: EMC Directive 89/336/EEC and Low Voltage Directive 73/23/EEC, both amended by the Directive 93/68/EEC. The product complies with the R&TTE Directive 1999/5/EC (Annex IV).

1) This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference , and
- (2) This device must accept any interference received, including interference that may cause undesired operation

2) All products sold in the European Economic Area (EEA) bear the CE marking

Grenoble

25th October 2000



Didier CABARET
Quality Manager

European contact for regulatory topics only: Hewlett-Packard GmbH, HQ-TRE, Herrenberger Strasse
13071034 Boeblingen, Germany



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